

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings of claims in the application:

Listing of Claims:

Claims 1-37 are canceled.

1 38. (Currently amended) An expression vector ~~comprising~~ comprising a
2 vitellogenin ~~gene~~ cDNA, said vitellogenin cDNA comprising the sequence of SEQ ID NO: 1,
3 operably linked to a promoter, wherein the promoter is functional in a ~~eukaryotic~~ yeast host
4 suitable for use as a feed or feed additive.

1 39. (Canceled)

1 40. (Currently amended) The expression vector according to claim 39 38
2 wherein the promoter is a constitutive promoter.

1 41. (Previously presented) The expression vector according to claim 40
2 wherein the promoter is a yeast glyceraldehyde-3-phosphate dehydrogenase (GAP) promoter.

1 42. (Canceled)

1 43. (Currently amended) The expression vector according to claim 42 38
2 which is Vtg (-SS)/pGAPZA, Vtg (VTGSS)/pGAPZA or Vtg (α SS)/pGAPZ α C.

1 44. (Currently amended) A transgenic ~~eukaryotic host~~ yeast comprising the
2 expression vector according to claim 38 suitable for use as a feed or feed additive ~~comprising the~~
3 ~~expression vector according to claim 38~~.

1 45. (Currently amended) A transgenic yeast comprising an expression vector
2 wherein the expression vector comprises a vitellogenin ~~gene~~ cDNA operably linked to a
3 promoter functional in yeast.

1 46. (Previously presented) The transgenic yeast according to claim 45
2 wherein multiple copies of the expression vector has integrated into the yeast genome.

1 47. (Previously presented) The transgenic yeast according to claim 45
2 wherein the promoter is yeast GAP promoter.

1 48. (Previously presented) The transgenic yeast according to claim 47
2 comprising SEQ ID NO: 1.

1 49. (Previously presented) The transgenic yeast according to claim 48
2 wherein the yeast is *Pichia pastoris*.

1 50. (Previously presented) The transgenic yeast according to claim 49
2 wherein vitellogenin protein is expressed intracellularly.

1 51. (Previously presented) The transgenic yeast according to claim 50
2 wherein yeast is protease deficient.

1 52. (Previously presented) The transgenic yeast according to claim 51
2 wherein the amino acid and lipid contents are increased.

1 53. (Previously presented) The transgenic yeast according to claim 52
2 wherein the level of polyunsaturated fatty acids is increased.

Claims 54-74 (Canceled).

1 75. (New) An expression vector comprising a vitellogenin cDNA operably
2 linked to a promoter, wherein the promoter is functional in a yeast host suitable for use as a feed
3 or feed additive.

1 76. (New) The expression vector according to claim 75 wherein the promoter
2 is a constitutive promoter.

1 77. (New) The expression vector according to claim 76 wherein the promoter
2 is a yeast glyceraldehyde-3-phosphate dehydrogenase (GAP) promoter.

1 78. (New) The expression vector according to claim 75 which is Vtg
2 (-SS)/pGAPZA, Vtg (VTGSS)/pGAPZA or Vtg (α SS)/pGAPZ α C.